DXpedition News

Yemen - 4W The DX rumor mill has been working overtime to explain the absence of Hans **4W0PA** from the bands. John PA3CXC reports that Hans is spending a month in South Yemen 7O, but will not attempt to get a license there. He will be very busy learning Arabic upon his return to Yemen, but will try to get on about an hour a day for the ensuing two months, especially around 16-1700Z. A beam antenna and rotor are on the way, which should improve his signal. TVI problems also restrict operations.

Vietnam - 3W The **3W0A** operation has gone begging for contacts on 10-meter SSB, although East Coast stations still need QSOs. Best bets: 20M CW 0000Z, 10M CW and SSB 01-0200Z, 21005 0345Z, 3505 2245Z and 1220Z, 7004 14-1600Z, 14195 1530Z, and 21005 kHz at 1830Z. For **3W1A** on RTTY, try 14090 kHz at 1630Z. They leave Vietnam Feb. 22. QSL to W4FRU.

Edited by Chod Harris VP2ML

The DX Bulletin

America's Premier Weekly Amateur Radio Publication

St. Peter and Paul Rocks - PY0 Members of the Natal DX Group in Brazil will operate from this isolated spot for a week beginning May 2. The five operators will use **ZY0SW** on CW, **ZY0SS** on SSB, and **ZY0SY** on RTTY. Watch 087 kHz up on RTTY, listening up 3. On CW, try 25 kHz up, listening up 5. Usual SSB frequencies. The group is actively soliciting funds in advance of the trip, to cover the $3,000 cost. Send donations via registered air mail to Caixa Postal 385, 59001 Natal RN, Brazil.

Venezuela - YV Vern K1DRN will be **/YV6** Feb. 19-26 on 20 meters only. QSL home call.

Aruba - P4 Nao N1CIX returns to Aruba as **P40P** May 8-18, CW and SSB, 10-80 meters, including WARC bands. QSL N1CIX. Claudia HB9CUY will accompany Nao, possibly signing **P4/N1FPC**. QSL HB9CUY.

More DXpedition News

- Javier XE2TCQ and others will operate as **XF4T** from Revillagigedo (NA-30) for 10 days during the first two weeks of May (Exact dates depend on military transportation.) On CW, try 25 kHz up, listening 5 up. On SSB, watch 1830, 3795, 7050, 14250, 21300, and 28500 kHz, listening 5 up. If they take RTTY gear, try 75 kHz up. On 30 meters, try 10110 kHz; on 6 meters, the 51 MHz Pacific DX window. They will give preference to European and Asian DXers. QSL to XE2TCQ, 1989 *Callbook* address. US SASE okay.

Reserve Your Island

- Jim N3JT will be **/HK0** from San Andres for ARRL CW, using the K1EA software and Jim's CW interface. He'll be there Feb. 15-21, and will operate RTTY and 6 meters outside the test. QSL W2GHK. The trip is sponsored by the new The DXpedition Foundation, which anxiously accepts donations at Box 19346, Washington DC 20036.
- Look for **C6A/K0GVB** Feb. 16-27, including the ARRL CW test and the *CQ* 160-Meter SSB test. He'll be on the WARC bands outside the tests. QSL home call.
- W0YOY will reactivate **6D2DX** from Mexico for the ARRL SSB test. QSL NI7Y.
- John AD8J will be **PJ4/** from Bonaire Feb. 26-Mar. 4, including the first few hours of the ARRL SSB test. Most operating will be on 3503 and 7003 kHz in the evenings (sunset 2230Z.)

Shortly Noted

- W2GD will be on 18073 and 18113 kHz as **P40GD** Feb. 15-22, outside the ARRL CW test. QSL N2MM.
- Look for **FR4FA/G** from Glorioso for about a month, if his plans don't change.
- *LNDX* says FC1CXX is in Chad TT for a few months.
- Mike WV5M will be on Provo Is. (NA-02) **/VP5** Mar. 11-18, CW only, 5 or 25 kHz up, listening up 5 kHz. QSL 1989 *Callbook* address or via WN5A.
- Some stations active from Antarctica recently include: **IA0PS** (QSL Italy bureau), **7S8BBB** (QSL SK4NI), and **HL5BDS**, and well as **KC4AAA** and **4K1F**.
- If they can hitch a helicopter ride, the Russians in Vietnam will go to Spratly as **1S1SU**.
- **RA0AD/JT** is on 80 and 160 meters around his sunrise: 0000Z.
- Regulars (callsign, frequency or band, UTC): **TU4CO** 3501 2230Z or 21010 2000Z; **9H1EL** 3794 2300Z; **6W6JX** 7012 2330Z; **4K1F** 14020 03-0400Z; **UA1OIL** 20M CW 0400Z; **UI9UWA** 20M CW 0400Z; **A41KJ** 14180 long path 1300Z; **JT1KAI** 21025 0100Z; **BY4RB** 28030 0030-0130Z; **BY4WNG** 28550 0000Z; and **HZ1AB** 10M SSB 1300Z.
- SSB net check-ins: 15M 9J2BO TL8HW ZB2GR; 20M 1Z9B 6T2MG AH9AC KC6MH TZ6MG 5T5HH D68MG FH8CB. UA9AB's 14261 kHz net 0300Z Sundays: UJ8XDH UI8DAF UI8VA UI8DAT.
- RTTY: FM5FA 14091 0100Z; UA0JV 14093 0400Z; SU1DZ 14074 0545Z; AH9AC 14091 0830Z; UM8MU 21093 1100Z; 9K2EC 28080 1300Z; ZC4RC 28088 1400Z; SV5TS 28088 1400Z; TF3PT 28086 1340Z; EA9JV 21085 0900Z. YB8GH 14087 1100Z; UR2JW 14097 1100Z; 3W1A 14091 1300Z; and UW3TT/UJ4J 14088 0445Z.

Propagation

Forecast and Historical Data

Day	Forecast	27 Days Before				55 Days Before			
February 1989		Date	Flux	A	K	Date	Flux	A	K
17	Low Normal	1/21	216	22/27	3	12/24	229	03/06	0
18	Low Normal	1/22	212	21/25	2	12/25	220	19/20	3
19	High Normal	1/23	219	16/19	2	12/26	201	28/23	3
20	Above Normal	1/24	221	07/11	2	12/27	212	15/20	3
21	High Normal	1/25	234	12/12	3	12/28	209	11/15	3
22	Above Normal	1/26	211	09/11	2	12/29	202	16/19	2
23	High Normal	1/27	230	10/13	1	12/30	180	12/12	2
24	High Normal	1/28	217	10/15	3	12/31	182	10/12	2
25	High Normal	1/29	209	08/12	2	1/01	192	21/16	4
26	High Normal	1/30	193	13/14	2	1/02	202	07/09	2
27	Low Normal	1/31	195	23/29	4	1/03	198	02/06	2

Propagation Watch

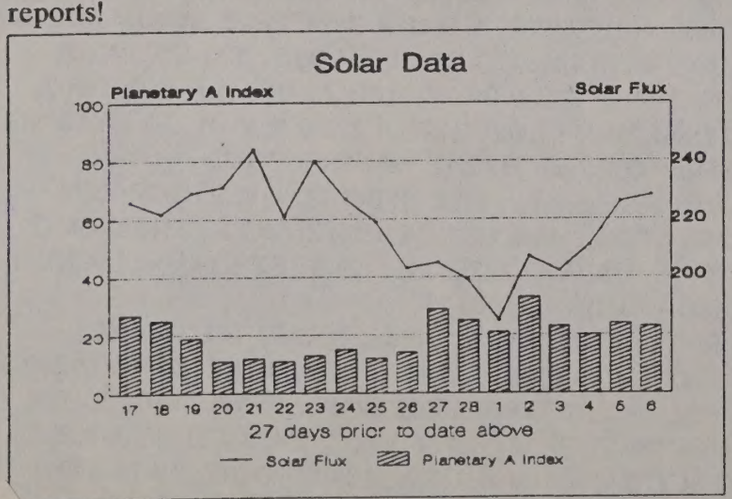
The same area of the sun that produced sunspot region 5312 last month (and boosted solar flux levels to nearly 300) has done it again, with region 5354. This huge, very active region helped push solar flux levels up to 279 on February 11. Unlike the January event, the geomagnetic field was considerably quieter. The combination of high levels of flux and moderate geomagnetic activity produced excellent conditions on the higher bands.

A Stratwarm condition continues to disrupt polar paths and, to a lesser extent, long paths. DXers may find that signals peak on skew paths, to the side of the normal short-path direction.

Over the next two weeks, we should see a drop in solar flux levels to the 200-225 range, which shouldn't adversely affect the high bands. If the number of flares also drop, as expected, we should also see a drop in geomagnetic activity, and good conditions on most bands.

On days that the geomagnetic field isn't too active, try the long path on 40, 30, and 20 meters to the west within an hour of local sunrise. 15, 12, and 10 meters provide good DX throughout the day, expect when a solar flare causes a temporary blackout. The higher bands are staying open past local sunset, a trend that will continue over the next month. 20 meters has provided some good Asian DX around 02-0400Z. Zone 23 stations peak 0030-0130Z on the higher bands. Low-band propagation is closely tied to the level of geomagnetic activity; check out 80 and 160 meters after a couple of days in a row of low K indices.

Our new band of 17 meters seems to have its own, unique propagation (see articles on right.) Over the next two months, 17 meters should provide some excellent openings from sunrise to well after local sunset. Let's see more reports!



17 Meters

by Jim Henderson KF7E

I have had a log periodic antenna at 75 feet since mid-1986, and have noted the propagation on 17 meters with envy. The first two days of 18 MHz have been well below the normal expectations. The flare at 1200Z on January 31 was bad, and the K index reading of 5 on February 1st was worse.

I heard daily long path to Europe on 18 MHz, prior to 1700Z. This is superior to the short-path signals. There has been a regular, slow QSB on nearly all paths, of about 12 dB. From here (New Mexico), long path to Europe and Africa is best about 15-1700Z. Short path has been bad the first two days, due in part to the Stratwarm condition over the North Pole.

So far, over 200 QSOs, 95% stateside. Notably lacking from here are South America and Africa, although they have been on.

One interesting note: both Tuesday and Wednesday [Jan. 31 and Feb. 1], prior to the long path fadeout at 1700Z, I could hear W1/W2 on both paths simultaneously. The long path signals were about 569 and the short path about 579 or better. Very clear long path with the W1/W2 beaming Europe short path. Best example I've heard of this in a long time, but fairly often occurs on 18 MHz. I've also heard this with VEs working Europe.

I've kept a note of gear run by most stations I have QSOed. So far, most are using a 160-meter inverted vee or L (about 25%), another 25% with Zepps for 80 meters, 20% using random wires and loading up non-resonant beams or verticals, about 5% using the Somer antenna, another 5% using log-periodic antennas [8 KLM, 1 Hy-Gain, 1 home-brew] and the rest using a dipole or vertical cut for 18 MHz. Clearly the resonant antennas are producing better results. The 160-meter dipoles, inverted vees, and Ls are doing very well.

This band has great potential. With the equinox coming soon, the long path stuff will be tremendous, actually better than 20 meters.

by Jim Reisert W1JR

Made WAS in five days. Problem was to get through all the auroral activity preventing KL7 QSOs. Anyhow, when I get all 50 states confirmed on 17 meters, this will be my 12th band WAS.

Have heard about 50 countries. Most operators are running only 100 watts and dipoles or loading up an 80-meter or 160-meter dipole or a 10/15-20-meter tribander with a tuner. UK stations are limited to 10 watts and a dipole.

The Cushcraft 2-element, 40-meter beam works FB on 17 meters. VSWR less than 3:1, and it's bidirectional. I guess the loading coils are about 1/4-wavelength out, so it acts like a resonant 1/2 wavelength dipole.

One transmitting problem: some RF amplifiers aren't capable of operating on 17 meters, **despite manufacturers ratings.** My Ameritron AL-1500 loaded up to 300 watts output, and them melted the RF choke, due to series resonance in the choke. Output went to zero watts! Now I need a new RF choke. Better yet, one that will also work at 18.1 MHz.

B . A . N . D . P . A . S . S

*Key to Bandpass: Callsign, frequency, UTC, day of the month, state. * = long path. P = packet.*
All "portable" calls listed with country of operation first, regardless of format used on the air.

RTTY

3A2AB	14088	1740	2	CA
3W1A	14090	1630	3	ND
CO2BB	28094	1605	4	OH
OD5NG	28092	1415	28	OH
SV9/ SV0AC	28079	1805	10	CA
TF3LB	14087	1351	4	MN
UA6CQ	14086	1605	7	CA
UA9CHK	21091	1305	2	OH
UC1AWW	14086	0250	10	CA
UM8MU	21094	1400	29	OH
UW9FC	14084	2300	5	OH
VU2NR	14089	1525	10	CA
Y24DO	21086	1505	5	OH
YO9KPP	21092	1600	4	OH

160 Meters

6W6JX	1835	0135	6	NJ
EA6ZY	1833	0210	4	NJ
KH6JEB	1845	0110	10	NJ
OK3TPW	1837	0228	4	NJ
RB5CU	1835	0416	2	IL
VS6DO	1826	1150	31	IL
Y33UL	1833	0150	6	NJ
YO3APJ	1834	0356	2	IL
ZL2AGY	1807	0308	4	NJ

80 Meters

3W0A	3505	1520	10	CA
3W0A *	3507	2241	1	MD
7X2AM	3507	0321	5	NB
9M2AX	3504	2225	1	NH
9M2QQ	3989	1450	10	CA
EL7X	3505	2224	2	NH
FH4EE	3512	0255	3	NH
FM5WU	3511	0144	10	FL
HZ1AB	3506	1455	5	MT
J52US	3501	0019	3	NH
JY9SR	3501	2322	3	NH
LZ1AP	3504	0330	3	WA
PJ9JT	3507	0128	9	FL
RB5CB	3504	0155	4	MO
TA4A	3500	0130	9	MA
TU4CO	3502	2235	4	MA
UO4OR	3511	0303	3	MT
VS6UP	3506	1525	28	WA
ZD8IAN	3503	2245	31	NH
ZL1LS	3506	0800	5	CA
ZS5BK	3506	0400	31	IA

75 Meters

5T5CK	3788	2257	24	IL
5W1GP	3798	1520	26	WA
6W2EX	3795	2330	30	IL
9H1EL	3795	2305	5	MA
9Q5NW	3799	0519	3	CA
EA8AMT	3794	0016	6	MA
HH7PV	3793	2347	4	MA
J88BK	3785	1045	31	FL
PZ1DV	3796	0330	6	MA
TU2BB	3798	2310	4	MA
UO5OAS	3639	0401	7	MA
VK6LK	3795	1200	31	IL
YB0WR	3795	1220	28	FL

40 Meters

3A2AG	7001	2311	7	CT
3B8CF	7004	1455	7	OR
3W0A	7003	1412	7	CA
5W1GP	7001	0903	5	CA
6W6JX	7011	2335	6	MD
6W6JX	7004	0609	7	KY
7X3DA	7013	0626	30	NH
9M2JP	7014	1555	4	CA
9Q5DX	7003	0450	2	IA
9V1XR	7007	1428	4	WA
AP2TN	7010	1238	31	MA
AP2TN *	7011	0145	31	CA
BV2A	7004	1410	4	CA
CE0OGZ	7005	0229	3	CA
HZ1AB	7007	1530	29	WA
KX6DS	7006	0701	5	CA
RV0YF	7005	1200	31	CT
SU1EE	7015	1532	31	OR
UA1OIL	7003	0459	6	MI
UA2FAJ	7010	0005	31	IA
UO5OPL	7011	0213	10	FL
V85AA	7003	1220	4	IA
VK9NS	7005	1050	27	FL
VS6DO	7008	1152	31	NH
VU2PCD *	7005	1453	5	MT
YB0DPO	7001	1450	1	CA
ZD8BOB	7009	2230	4	PA
ZK1XI	7006	0956	7	KY

30 Meters

5B4OG	10108	0350	7	CT
AL7KJ	10119	0207	5	MA
CO2VG	10108	0536	3	KY
CT3FT	10110	0748	5	KY
FM5BH	10108	2338	4	MA
HA5AHS	10106	0640	29	CT
OA4ZV	10110	0234	4	CT
UQ1GXX	10120	0130	5	MA
UT5YZ	10106	0646	29	CT
UV9OK	10105	0319	10	CT
V29C	10108	2331	5	CT
VP2MIX	10100	0101	10	CT
ZD8IAN	10104	2256	28	CT

20 Meter CW

3W0A	14012	1923	3	NB
3W0A	14008	0019	7	NJ
4K1F	14020	0305	6	CA
4S7EA	14008	0015	5	MI
5N0/W6QL	14019	2225	7	FL
5N0SKO *	14002	1649	8	CA
5T5CK	14017	1950	31	CT
9J2KF	14015	2143	1	FL
9Q5DX *	14006	1645	1	CA
9X5AA	14010	0153	4	CA
EA9PB	14007	2245	31	FL
FT4ZE	14011	0113	5	CO
FT4ZE *	14025	1231	1	MA
JT1BR	14017	1430	2	IA
JT2AB	14007	0256	3	CA
OD5LX	14025	0238	8	FL
RH8AX	14013	1447	3	CO
RH8AY	14028	0422	4	OR
RV0YF	14007	0200	4	MT
S0RASD	14024	2240	5	MN
SJ9WL	14027	0014	8	FL
SU1EE	14027	0200	28	OH
TU4CO	14012	2043	4	FL
UA0WX	14009	0340	5	CA
UA1OIL	14010	1610	3	MT
UA1OIL	14020	0305	6	CA
UC2AHZ	14007	1500	6	ID
UI9AAB	14030	0258	5	CO
UI9UWA	14001	0358	6	MI
UL7GDX	14022	0405	5	OH
UL7GE	14015	1541	5	MT
UL7KAC	14015	1535	5	MT
UL7KWR	14027	0352	30	CT
UL7VBP	14017	0222	4	CO
VP8BUO	14012	0200	5	CA
VQ9JT	14009	1340	3	FL
VQ9QM	14023	1354	4	MN
VU2CP	14020	1255	6	MD
YN3CC	14004	0534	6	MD
ZD8BOB	14001	2125	1	FL
ZS6/ DL1FZ	14007	0443	8	MI

20 Meter SSB

3A2EE	14164	1609	5	OR
3W0A	14199	0025	10	NJ
3W0A	14194	1540	4	MT
4W0PA	14145	2200	9	CA
6T2MG	14195	2227	28	MI
8R1/ J6LAH	14171	0627	6	KY
9M2CW	14165	1220	31	FL
9N1MM	14215	0106	5	FL
A92BE	14195	1555	3	MT
BV4QA	14189	1556	3	MT
C53BU	14171	2222	4	OH
CE0DFL	14198	0302	3	OR
CN8CC	14226	0010	5	FL
HV3SJ	14196	1800	3	MT
KC4AAA	14251	0352	24	IL
OX3DD	14172	0349	6	OR
PZ2AC	14153	0410	5	FL
RH8AY	14245	0329	29	MI
ST2SA	14252	0537	3	FL
TL8CM	14211	0335	28	OH
TR8CA	14160	2220	4	OH
TU2JL	14189	0409	8	MA
UL7DA	14235	0348	7	GA
UM9TWA	14239	1241	2	MA
YI1BGD *	14232	1337	31	CA
Z22JE *	14213	1616	5	MT
ZK1XI	14195	0543	6	KY

17 Meters

3DA0AH	18118	2057	7	CA
4U1UN	18127	2150	5	NJ
7X5VRK	18137	1147	1	NS
8R1/ J6LAH	18147	0059	3	CT
CT1RLV	18135	1330	5	CT
CT3CU	18082	1752	1	MA
EA6BD	18068	1346	27	MA
EA8AB	18069	2017	8	CT
FO5KW	18146	0112	3	MA
FY5AU	18111	2345	1	CT
G6CJ *	18069	1735	1	NM
HH2PG	18116	0131	31	CT
HK0HEU	18125	0437	5	CT
HP3FL	18118	0110	4	MA
J52US	18118	2333	4	PA
J88BK	18142	2222	5	PA
KL7KN	18140	0319	5	MA
OA4ZV	18076	2310	3	MA
P29ZL	18148	0331	1	NM
PZ1AP	18072	0059	5	MA
VP2EXX	18160	2328	2	MA
VP2MO	18140	2155	5	CA
VP2MT	18072	2233	1	MA
VS6GG *	18120	1650	1	NM
VU2ZAP	18070	1827	31	CA
ZD8JW	18111	2318	8	CT
ZL2ANT *	18068	1355	2	MA
ZS6GG	18120	1644	1	IL

15 Meter CW

3W0A	21005	0340	11	CA
5Z4SS	21018	1928	4	FL
6W1PM	21018	2253	2	IL
9Q5UN	21020	2047	1	NH
9X5AA	21013	1853	2	NB
A22BW	21065	2024	5	PA
C53GS	21009	2222	2	IL
HV3SJ	21023	1325	4	NJ
JT1BS	21007	0154	1	CA
JT1KAA	21048	0248	1	CA
JT1KAI	21024	0100	9	FL
KH8AW	21030	0118	9	FL
T5GG	21026	1345	3	NH
TU4CO	21012	2035	5	FL
UJ8XDH	21043	1312	30	NJ
VP2EXX	21004	2224	31	ID
VP8BUO	21011	0035	6	FL
VQ9QM	21018	1809	4	MA
ZD8BOB	21004	2200	3	CA
ZD8JP	21021	2310	2	IL

15 Meter SSB

4U1ITU	21363	1652	3	CT
5N1MRE	21229	1940	1	IA
5Z4SS	21265	1945	4	MA
I8MPO *	21205	1525	5	MA
J52US	21230	2030	5	MA
KC4AAA	21359	0137	31	MI
S83H	21210	1540	4	MA
S92LB	21281	2040	1	IA
TL8HW	21233	2013	5	MA
TR8RLA	21263	2121	4	MA
ZB2GR	21205	1611	5	MA
ZD8BOB	21275	2138	4	MA
ZD8JP	21219	2133	4	MA

12 Meters

5B4OG	24900	1359	4	MA
5B4TI	24960	1720	4	CT
C6ANX	24955	1330	1	IL
HP1XSO	24940	1538	4	NY
T77T	24946	1326	4	MA

10 Meter CW

3W0A	28005	0005	6	CA
6W6JX	28012	2120	5	MT
9X5AA	28005	1857	5	MT
BY4RB	28030	0029	6	CA
CE0FFD	28013	1623	2	MA
JY5DL	28008	1525	4	IA
JY9SR	28032	1455	29	MO
OY3QN	28022	0000	10	FL
P29PL	28018	0148	29	WA
PZ1AB	28013	1306	5	MA
TU4CO	28010	2201	5	IL
VP2M/ F2JD	28007	1250	7	MD
ZK1XI	28025	0030	8	FL

10 Meter SSB

3W0A	28545	0115	8	MT
9H1JP	28395	1442	1	IL
9M6HF	28568	0131	7	CO
9Q5DX	28504	1925	29	FL
A41JZ	28500	1317	4	MA
BY4WNG	28552	2351	2	MT
FH8CB	28582	1812	5	GA
HZ1AB	28504	1300	2	NJ
SV0FC	28642	1552	5	MA
TZ6FIC	28485	1415	3	IA
VR6MW	28508	2350	4	NJ
XX9CT	28580	0033	6	CA
YI0VP	28496	1400	5	NJ
ZD7AC	28504	2035	28	FL
ZK1XK	28495	0225	8	MI

6 Meters

G4IJE	50110	1540	25	NS
GJ4ICD	50110	1352	25	NS
HC2FG	50110	1406	1	NS
HC5K	50110	1504	1	NS
HP3XUH	50110	1614	1	NS
PA3CII	50110	1347	25	NS

Novice Band

TZ6MG	21135	2057	6	IL
VP8BUO	21135	2057	3	IL
ZD8RP	21135	2039	11	IL
VS6UZ	21136	0101	5	FL

1 498 YOUR SUBSCRIPTION ENDS 89/10
ALFRED A LAUN K3ZO
5801 HUNTLAND ROAD
TEMPLE HILLS MD 20748

Copyright **The DX Bulletin**. **The DX Bulletin** (ISSN 0279-8077) is published fifty times per year at P.O. Box 50, Fulton, CA 95439 (707) 523-1001. One-year subscription rates are: $29 Second Class Mail, $38 First Class Mail, US$50 Foreign Airmail. Second-class postage paid at Santa Rosa, CA. POSTMASTER: Send address changes to **The DX Bulletin**, P.O. Box 50, Fulton, CA 95439.

FIRST CLASS MAIL

P.O. Box 50
Fulton, CA 95439
U.S.A.

First Class
U.S. Postage Paid
Santa Rosa, CA
Permit No. 550

Calendar

Issue 475 - February 17, 1989

(Changes and hot info in **boldface**.)

Algeria - 7X	7X2AS 3502 0300Z	I474
Amsterdam Is. FT-Z	FT4ZE 14014 13-1600Z	I474
Antarctica	KC4AAA 14206 0300Z	I473
Aruba - P40	P40T M/S ARRL SSB	I467
	P40GD ARRL CW by W2GD	I471
	P40P, P4/N1FPC May 8-18	I475
Bahamas - C6	C6A/K0GVB ARRL CW	I475
Barbados - 8P	8P9X ARRL CW, SSB	I469
Belize - V3	V31JZ ARRL CW by NN7A	I474
	V31CV ARRL SSB all-band	I473
Benin - TY	TY9SI, TY9YL Mar. 22-Apr. 3	I473
Bermuda - VP9	WF8C, K8WW ARRL CW	I471
Caymans - ZF2	ZF2HM, KE ARRL CW	I472
China - BY	BY4RB 28030 kHz 2330-0030Z	I474
Desecheo - KP5	by KP2A Mar. 1-12	I474
East Carolines - KC	KC6NW KC6JW Feb. 13-23	I473
	KC6SI ARRL SSB M/S	I473
East Malaysia - 9M	9M2AQ/6 March 160-6	I472
Egypt - SU	SU1EE 3501, 20M CW 02-0600Z	I474
	SU1EK 28746, 29030 1300Z	I474
Fernando de Noronha	PY1ZFO/0 ARRL CW	I471
Fiji - 3D	DK7UY HB9CUY Feb 20-Mar 3	I472
French Polynesia	DK7UY HB9CUY Mar 14-20	I472
Guam - KH2	KH2/KU2C to Feb. 25	I474
Guinea-Bissau - J5	J52US 3503 0000Z	I474
Hong Kong - VS6	K9EL/VS6 ARRL CW	I473
Iraq - YI	YI1BGD 10M SSB 1300Z	I474
Ivory Coast - TU	TU4CO 3501 22-2330Z 21010 2130	I474
Laccadives - VU7	Feb. 20-Mar. 20	I474
Laos - XW	XW8CW/DX Feb. 16-Mar. 9	I474
Macao - XX	XX9KA 14183 1500Z Sundays	I474
	by CT1BOH WPX SSB	I474
Maldives - 8Q7	by DLs Feb. 10-21	I471
Marquesas - FO	FO0FB early March	I467
Marshall Is. - KX	KX6BU 28550 kHz 2330Z	I474
Mauritius - 3B	3B8DA 14024 kHz 0230Z	I473
Montserrat - VP2M	VP2MU ARRL SSB by AA4NC	I467
Morocco - CN	CN8FC ARRL CW M/S	I473
Mozambique - C9	C9MKT Feb. 17-19, 21335 1800Z	I467
	14195 1600Z, 28595 1430Z	I466
Netherlands Antilles	PJ9R WPX SSB by K4EIH	I474
	PJ4/AD8J Feb. 26-Mar. 4	I475
New Caledonia - FK	by JAs CQ WPX SSB Mar 22-29	I473
Nigeria - 5N	W6QL/5N0 now	I474
Oman - A4	A41KC 20M SSB LP 1300Z	I472
Revillagigedo - XF4	XF4T May 1-15	I475
Rwanda - 9X	9X5AA 15M CW 2130Z	I472
St. Lucia - J6L	KJ8G/J6L Feb. 17-Mar. 6	I473
St. Peter/Paul Rocks	ZY0SW/S/Y May 2-10	I475
St. Vincent - J8	J8DX ARRL CW, SSB	I467
San Andres - HK0	N3JT/HK0 ARRL CW	I475
South Africa - ZS	DL1FZ/ZS to March 3	I474
South Cooks - ZK	ZK1SJ, XC Mar 3-13	I472
	by SM7PKK Feb. 2-20	I472
	ZK1X? by W9GW Feb. 14-28	I473
Svalbard - JW	JW5NM, JW7FD Feb. 22-Mar 1	I473
Swaziland - 3DA	DL1FZ/3DA0 Mar. 3-10	I474
Turks & Caicos - VP5	WD4JNS/VP5 Mar. 2-6	I474
	WV5M/VP5 Mar. 11-18 CW	I475
US Virgin Is. - KP2	KP2A ARRL CW	I471
Vanuatu - YJ	YJ8JS 28502 kHz 2300Z	I473
Vietnam - 3W	3W0A, 3W1A to Feb. 22	I473
West Malaysia - 9M2	9M2AQ Feb. 24-26	I472
Yemen - 4W	4W0PA temporarily QRT	I475
Zaire - 9Q	9Q5UN 20M CW 2000Z	I472
	9Q5NW 21250 1930Z	I470

DX Activities and Contests

Date	Event or Activity	Info
Feb. 18-19	ARRL CW DX Contest	QST
Feb. 24-26	CQWW 160M SSB Contest	CQ
Mar. 4-5	ARRL SSB DX Contest	QST
Mar. 18-19	BARTG Spring RTTY Test	CQ

Contributors

This Issue of The DX Bulletin would not have been possible without the invaluable assistance of the following: KH6BZF, SESC, AB8K, AE1H, AG4S, K0CVD, K0DEQ, K2JOZ, K2OLG, K2UFM, K3ZO, K4HMX, K6ANJ, K6SIK, K7ABV, K7JA/6, K7WA, KA1XN, KA4YAE, KA7T, KB9FV, KD0ZR, KD6PY, KD7SO, KE7X, KF7E, KI8W, KJ4BK, KJ4VH, KN7K, KQ3S, KV4AM, N1HN, N2KK, N4XR, N6IBP, N6IG, N9GMM, ND9X, NK2D, NT1M, NX7K, VE1ACK, VE1YX, W0JRN, W0LHS, W0RJU, W1BFT, W1HH, W1JR, W1NG, W1NH, W1WAI, W4VQ, W6AUG, W6JOX, W6TFO, W7AYY, W8MEP, WA1NPZ, WA9AQE, WB6Q, WB8LVA, WB8SFF, WB8ZRL, WB9Z, WC6I, OK1DWJ, WA6PJR, K3MD, K1TG, W4WAW, WC5N, KS1J, K9UIY, WDX9JUG, K1NH, NT9E, N8CXX, K0PP, AD8J, K0GVB, K1DRN, WV5M, N1CIX, N3JT, W0YOY, PS7KM, XE2TCQ, W2GD, and LNDX. More than 100 DXers help produce each Issue; Thanks! -ed.)